ABSTRACT

A method comprises determining a rule type needed for selecting an action to be performed with regard to a data object, identifying an access procedure associated with the rule type, retrieving query attributes from a context associated with the data object, searching an attribute database with a query attributes, and, if the query attributes match a first attribute set, accessing a first rule that belongs to the rule type and that is identified by the first attribute set. Each of a plurality of rules in a rule database is capable of being identified by any attribute set in the attribute database. Input functions for modeling the rules and creating the databases may be provided. Use of the rules can be simulated.

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